

CALIBRATION COLUMNS

Walchem calibration cylinders are designed to enhance the performance of chemical feed systems by providing a verification of the flow rate of the chemical feed pump. Robust construction of clear PVC with an easy to read graduation in mL and gph. Available with either a sealed or removable top, the calibration cylinders are available in four sizes: 200 mL, 500 mL, 1000 mL, and 4000 mL.

SUMMARY OF KEY BENEFITS

- » High reliability / Low cost
- » High contrast graduation markings
- » Clear easy-view tube
- » Robust construction
- » Direct GPH readout
- » Sealed top with overflow connection
- » Removable top model for easy cleaning



The easy to read graduated, PVC cylinder with base connector may be installed in-line (Fig. #1) or it may be used as a portable unit (Fig. #2). Each size is available with either a sealed or removable top- both with the same size NPT connection as the bottom. Calibration of the pump under actual conditions is recommended to confirm accurate chemical feed.

Volume	Sealed Top Model#	Removable Top Model#	Overall Dimensions		Connection Size (NPT)
			Height (in)	Diameter (in)	
200 mL	E90431	E90435	18	1.5	1/2"
500 mL	E90432	E90436	13	2.5	3/4"
1000 mL	E90433	E90437	22	2.5	3/4"
4000 mL	E90434	E90438	37	3.7	1"
102012				1" NPTF	4"(L) x 3 3/4"(W) x 5 3/4"(H)

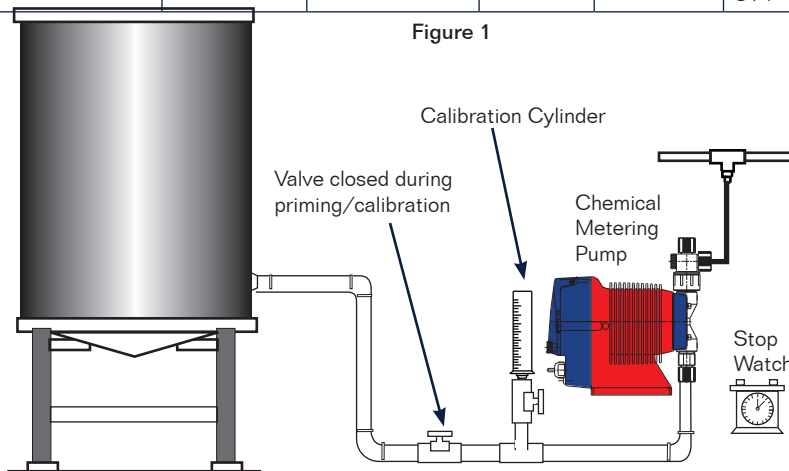


Figure 1

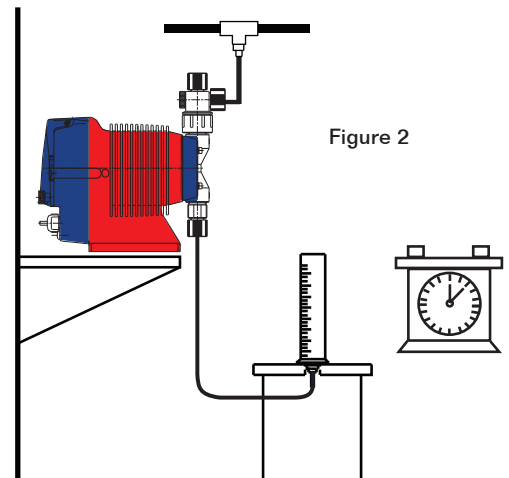


Figure 2

OPERATION

1. Follow arrangement indicated in either Fig. #1 or Fig. #2.
2. With calibration cylinder full, start metering pump and run at 100% output adjustment until pump is fully primed. Releasing air from the manual air vent valve may be necessary for priming. Consult pump instruction manual for further information on this feature.
3. With pump installed under actual operating conditions, operate pump until all air is exhausted from the suction line and pump head. Refill calibration cylinder.
4. To use the GPH scale on the calibration cylinder, run the pump for exactly 30 seconds and the resultant reading will be the flowrate of the pump. Using the mL scale, start the pump and using a stop watch or timer to calculate the total volume pumped over time.

NOTE: Optional tubing connectors may be specified for the portable applications. Additional reducing bushings may be required.

P/N 100177 ½" OD tubing x ½" MNPT
Polypro connector

P/N 102805 3/8" OD tubing x ½" MNPT
Polypro connector



WebmasterONE®

WebMasterONE® is the most powerful online cooling tower/boiler controllers in the water treatment industry. WebMasterONE® couples a multi-I/O platform with Walchem's analytical sensors and extensive communications technologies. The result is the ability to remotely monitor and control your process from any computer, anywhere in the world, with just a standard web browser.



Metering Pumps

Walchem and Iwaki combined their talents to design the most innovative and comprehensive metering pump product line in the world. With over 50 years of combined pump experience, in an array of different markets, the Iwaki-Walchem partnership leverages our strengths to exceed even our toughest customer expectations. Committed to new product development, our pumps are innovative and revolutionary.



WIND WebMaster Industrial Water Controllers

Walchem's WebMaster® Industrial (WIND) Controller sets a new standard for Industrial Water Treatment Controllers. WIND has a flexible multi-I/O platform, a wide range of analytical sensor measurement capabilities, and an extensive assortment of integrated communications and data handling features.



WebAlert Remote Monitor

Walchem's WebAlert is the first stand alone remote monitoring device that can web enable your installed equipment without having to replace or upgrade it.

ABOUT US

Walchem integrates its advanced sensing, instrumentation, fluid pumping and communications technologies to deliver reliable and innovative solutions to the global water treatment market

Our in-house engineering is driven by quality, technology and innovation. For more information on the entire Walchem product line, visit: www.walchem.com



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